

[MS-SRCHCSOM]: Search Client Query Protocol Specification

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1 Introduction

The Search Client Query Protocol provides types, methods, and properties to enable a protocol client to issue search queries against a protocol server hosting a search service application.

Sections 1.8, 2, and 3 of this specification are normative and can contain the terms MAY, SHOULD, MUST, MUST NOT, and SHOULD NOT as defined in RFC 2119. Sections 1.5 and 1.9 are also normative but cannot contain those terms. All other sections and examples in this specification are informative.

1.1 Glossary

The following terms are defined in [\[MS-GLOS\]](#):

context
GUID
Hypertext Transfer Protocol (HTTP)
Hypertext Transfer Protocol over Secure Sockets Layer (HTTPS)
language code identifier (LCID)

The following terms are defined in [\[MS-OFCGLOS\]](#):

content source
crawled property
CSOM array
CSOM Boolean
CSOM DateTime
CSOM dictionary
CSOM GUID
CSOM Int16
CSOM Int32
CSOM Int64
CSOM String
endpoint
Hypertext Markup Language (HTML)
JavaScript Object Notation (JSON)
managed property
permission
post-query suggestions
pre-query suggestions
query
query result
query rule
ranking model
result source
search query
search service application
site
Uniform Resource Identifier (URI)
Uniform Resource Locator (URL)

The following terms are specific to this document:

relevance judgment: A numeric evaluation of the applicability and correspondence of a search result to a search query that falls within the range of 1-5 inclusive with 5 being the most relevant and 1 being the least relevant.

MAY, SHOULD, MUST, SHOULD NOT, MUST NOT: These terms (in all caps) are used as described in [\[RFC2119\]](#). All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

1.2 References

References to Microsoft Open Specifications documentation do not include a publishing year because links are to the latest version of the technical documents, which are updated frequently. References to other documents include a publishing year when one is available.

1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact dochelp@microsoft.com. We will assist you in finding the relevant information. Please check the archive site, <http://msdn2.microsoft.com/en-us/library/E4BD6494-06AD-4aed-9823-445E921C9624>, as an additional source.

[MS-CSOM] Microsoft Corporation, "[SharePoint Client Query Protocol Specification](#)".

[MS-CSOMREST] Microsoft Corporation, "[SharePoint Client Query OData Protocol Specification](#)".

[MS-CSOMSPT] Microsoft Corporation, "[SharePoint Client-Side Object Model Protocol Specification](#)".

[MS-QSSWS] Microsoft Corporation, "[Search Query Shared Services Protocol Specification](#)".

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997, <http://www.rfc-editor.org/rfc/rfc2119.txt>

[RFC2616] Fielding, R., Gettys, J., Mogul, J., et al., "Hypertext Transfer Protocol -- HTTP/1.1", RFC 2616, June 1999, <http://www.ietf.org/rfc/rfc2616.txt>

[RFC2818] Rescorla, E., "HTTP Over TLS", RFC 2818, May 2000, <http://www.ietf.org/rfc/rfc2818.txt>

[RFC3066] Alvestrand, H., "Tags for the Identification of Language", RFC 3066, January 2001, <http://www.ietf.org/rfc/rfc3066.txt>

[RFC4627] Crockford, D., "The application/json Media Type for Javascript Object Notation (JSON)", RFC 4627, July 2006, <http://www.ietf.org/rfc/rfc4627.txt>

1.2.2 Informative References

[MS-GLOS] Microsoft Corporation, "[Windows Protocols Master Glossary](#)".

[MS-OFCGLOS] Microsoft Corporation, "[Microsoft Office Master Glossary](#)".

1.3 Overview

This protocol allows a protocol client to issue **search queries** against a protocol server hosting a **search service application**.

Typical scenarios for using this protocol include:

- A protocol client issues a search query to the protocol server, and the protocol server responds with **query results**.
- A protocol client issues a search query to the protocol server, and the protocol server responds with **pre-query suggestions** or **post-query suggestions**.
- A protocol client notifies the protocol server of errors encountered on the protocol client and timing of protocol client processing stages. The protocol server records these errors and time intervals for logging.

1.4 Relationship to Other Protocols

The Search Client Query Protocol is a set of types, properties, and methods that can be accessed by using the SharePoint Client Query protocol as specified in [\[MS-CSOM\]](#). This protocol uses **JavaScript Object Notation (JSON)** as specified in [\[RFC4627\]](#) to format data returned to a protocol client. This protocol also uses **HTTP**, as specified in [\[RFC2616\]](#), and **HTTPS**, as specified in [\[RFC2818\]](#). The dependencies for this protocol are shown in the following layering diagram.

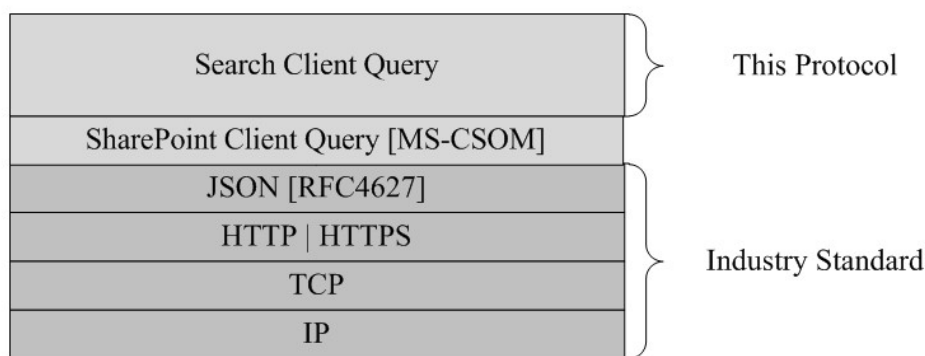


Figure 1: This protocol in relation to other protocols

1.5 Prerequisites/Preconditions

This protocol operates against a protocol server that exposes one or more **endpoint (4) Uniform Resource Identifiers (URIs)** that are known by protocol clients.

This protocol assumes that authentication has been performed by underlying protocols.

This protocol requires the protocol client to have appropriate **permission** to call the methods on the protocol server.

1.6 Applicability Statement

This protocol can be used by a protocol client to issue search queries against a protocol server hosting a search service application.

This protocol is optimized to enable a protocol client to specify the exact set of data and operations to perform in a single batch, making it suitable for situations where the connection speed between the protocol client and the protocol server can be slow.

This protocol is not suitable and is inefficient if both the protocol client and protocol server are on the same computer. In this case, the client should use an API that does not require communication over a network.

1.7 Versioning and Capability Negotiation

None.

1.8 Vendor-Extensible Fields

None.

1.9 Standards Assignments

None.

2 Messages

2.1 Transport

Messages are transported by using the SharePoint Client Query Protocol, as specified in [\[MS-CSOM\]](#).

2.2 Message Syntax

2.2.1 Namespaces

None.

2.2.2 Common Exceptions

A protocol server hosting the search service application MUST validate the request from the protocol client. When a protocol server processes a CSOM operation in the request, the following table lists common exceptions that could occur when accessing or updating a property or invoking a method.

Error Code	Error Type Name	Condition
- 2147024891	System.UnauthorizedAccessException	The user does not have permission to access a property, update a property or call a method.

Besides the preceding exceptions and the exceptions that are listed for the specific properties or methods, the protocol server can return other exceptions to the protocol client, for which the protocol client could use the error message for display purpose but could not use the error code or error type to determine the causes of the exception.

Unless specified, exceptions listed for the specific properties are thrown for both read and write operations.

3 Protocol Details

3.1 Server Details

3.1.1 Abstract Data Model

This section describes a conceptual model of possible data organization that an implementation maintains to participate in this protocol. The described organization is provided to facilitate the explanation of how the protocol behaves. This document does not mandate that implementations adhere to this model as long as their external behavior is consistent with that described in this document.

This protocol deals with various objects associated with Search Service to execute a search query for storing verbose query monitoring data or to store query log data and other objects as specified in [\[MS-QSSWS\]](#).

3.1.2 Timers

None.

3.1.3 Initialization

None.

3.1.4 Higher-Layer Triggered Events

None.

3.1.5 Message Processing Events and Sequencing Rules

3.1.5.1 Microsoft.Office.Server.Search.REST.CustomResult

TypeId: {B3EB596A-C665-4B31-AFBE-BBF07EB1B70D}

ShortName: Microsoft.Office.Server.Search.REST.CustomResult

CustomResult is a ResultTable, as specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

The TableType property MUST be of any result table type as specified in [\[MS-QSSWS\]](#) section 2.2.5.5 except:

- RelevantResults
- RefinementResults
- SpecialTermResults

3.1.5.1.1 Properties

3.1.5.1.1.1 Scalar Properties

3.1.5.1.1.1.1 TableType

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.1.1.1.2 Properties

Type: CSOM dictionary

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.1.1.1.3 GroupTemplateId

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.1.1.1.4 ItemTemplateId

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.1.1.1.5 ResultTitle

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.1.1.1.6 ResultTitleUrl

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.1.1.1.7 Table

Type: Microsoft.SharePoint.Client.SimpleDataTable

Accessibility: Read/Write

As specified in [\[MS-CSOMREST\]](#) section 3.1.5.1.3.3

Contains the list of query result hits.

3.1.5.1.1.2 ObjectPath Properties

None.

3.1.5.2 Microsoft.Office.Server.Search.REST.QueryResult

TypeId: {5DA4B313-CA4A-4BC7-B9DE-98EA5F4E727B}

ShortName: Microsoft.Office.Server.Search.REST.QueryResult

The **QueryResult** type is a grouping of result tables, where each contained result table is a **ResultTable** as specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

All result tables contained in the same **QueryResult** MUST share the same **QueryId** (section [3.1.5.2.1.1.2](#)).

A **QueryResult** structure accessed by the **PrimaryQueryResult** property (section [3.1.5.6.1.1.2](#)) of a **SearchResult** structure (section [3.1.5.6](#)) MUST NOT be associated with a **query rule**, and MUST have the **QueryRuleId** (section [3.1.5.2.1.1.3](#)) populated with the value {00000000-0000-0000-0000-000000000000}.

Each **QueryResult** structure contained in the **SecondaryQueryResults** (section [3.1.5.6.1.1.3](#)) of the **SearchResult** (section [3.1.5.6](#)) structure MUST be associated with an individual query rule, and MUST have the **QueryRuleId** (section [3.1.5.2.1.1.3](#)) populated with a value other than {00000000-0000-0000-0000-000000000000}.

A valid QueryResult MUST have one or more result tables accessed through one or more of the following properties:

- CustomResults
- RefinementResults
- RelevantResults
- SpecialTermResults

CustomResults is a CSOM Array that contains zero or more CustomResult instances. A CustomResult instance is a ResultTable with ResultType of any kind (except RefinementResults, RelevantResults, and SpecialTermResults), as specified in [\[MS-QSSWS\]](#) section 2.2.5.5.

RefinementResult is a ResultTable with ResultType RefinementResults as specified in [\[MS-QSSWS\]](#) section 2.2.5.5.

RelevantResults is a ResultTable with ResultType RelevantResults as specified in [\[MS-QSSWS\]](#) section 2.2.5.5.

SpecialTermResults is a ResultTable with ResultType SpecialTermResults as specified in [\[MS-QSSWS\]](#) section 2.2.5.5.

3.1.5.2.1 Properties

3.1.5.2.1.1 Scalar Properties

3.1.5.2.1.1.1 CustomResults

Type: **CSOM array** of Microsoft.Office.Server.Search.REST.CustomResult

Accessibility: Read/Write

An array of CustomResult as specified in section [3.1.5.1](#).

3.1.5.2.1.1.2 QueryId

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.2.1.1.3 QueryRuleId

Type: CSOM GUID

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.2.1.1.4 RefinementResults

Type: Microsoft.Office.Server.Search.REST.RefinementResults

Accessibility: Read/Write

As specified in section [3.1.5.3](#).

3.1.5.2.1.1.5 RelevantResults

Type: Microsoft.Office.Server.Search.REST.RelevantResults

Accessibility: Read/Write

As specified in section [3.1.5.4](#).

3.1.5.2.1.1.6 SpecialTermResults

Type: Microsoft.Office.Server.Search.REST.SpecialTermResults

Accessibility: Read/Write

As specified in section [3.1.5.25](#).

3.1.5.2.1.2 ObjectPath Properties

None.

3.1.5.3 Microsoft.Office.Server.Search.REST.RefinementResults

TypeId: {F3B3BFC2-9DD9-4F5E-BC53-0EF63E0709F6}

ShortName: Microsoft.Office.Server.Search.REST.RefinementResults

RefinementResults is a RefinementResults Table, as specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.3.1 Properties

3.1.5.3.1.1 Scalar Properties

3.1.5.3.1.1.1 Refiners

Type: CSOM array of Microsoft.Office.Server.Search.REST.Refiner

Accessibility: Read/Write

Specifies a **RelevantResults** table, as specified in section [3.1.5.4](#), that contains the list of refiners for the search results.

3.1.5.3.1.1.2 Properties

Type: CSOM dictionary

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.3.1.1.3 GroupTemplateId

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.3.1.1.4 ItemTemplateId

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.3.1.1.5 ResultTitle

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.3.1.1.6 ResultTitleUrl

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.3.1.2 ObjectPath Properties

None.

3.1.5.4 Microsoft.Office.Server.Search.REST.RelevantResults

TypeId: {755270DF-820C-430A-A609-1A6C415E88F1}

ShortName: Microsoft.Office.Server.Search.REST.RelevantResults

RelevantResults is a RelevantResults Table, as specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.4.1 Properties

3.1.5.4.1.1 Scalar Properties

3.1.5.4.1.1.1 RowCount

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.4.1.1.2 TotalRows

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.4.1.1.3 Properties

Type: CSOM dictionary

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.4.1.1.4 GroupTemplateId

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.4.1.1.5 ItemTemplateId

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.4.1.1.6 ResultTitle

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.4.1.1.7 ResultTitleUrl

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.4.1.1.8 Table

Type: Microsoft.SharePoint.Client.SimpleDataTable

Accessibility: Read/Write

As specified in [\[MS-CSOMREST\]](#) section 3.1.5.1.3.3

Contains the list of query result hits.

3.1.5.4.1.1.9 TotalRowsIncludingDuplicates

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.4.1.2 ObjectPath Properties

None.

3.1.5.5 Microsoft.Office.Server.Search.REST.SearchRequest

TypeId: {EFA6DBB5-FB02-41F8-B70F-E6C992FB86A9}

ShortName: Microsoft.Office.Server.Search.REST.SearchRequest

The **SearchRequest** structure defines the HTTP BODY of the HTTP POST postquery operation as specified in section [3.1.5.7.2.1.1](#). The postquery operation together with the **SearchRequest** structure is similar to the query operation as specified in section [3.1.5.7.2.1.2](#), and is provided as a means to overcome **Uniform Resource Locator (URL)** length limitations that some clients experience with HTTP GET operations.

3.1.5.5.1 Properties

3.1.5.5.1.1 Scalar Properties

3.1.5.5.1.1.1 Culture

Type: CSOM Int32

Accessibility: Read/Write

Specifies the identifier of the language culture of the search query. If present, the value MUST be a valid **language code identifier (LCID)** of a culture name, as specified in [\[RFC3066\]](#).

3.1.5.5.1.1.2 EnableInterleaving

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.3 EnableNicknames

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.4 EnablePhonetic

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.5 EnableStemming

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.6 HiddenConstraints

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.5.1.1.7 Querytext

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.8 RankingModelId

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.9 RefinementFilters

Type: CSOM array of CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.5.1.1.10 Refiners

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.5.1.1.11 RowLimit

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.12 RowsPerPage

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.13 SelectProperties

Type: CSOM array of CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.14 SourceId

Type: CSOM GUID

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.15 StartRow

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.16 Timeout

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.17 TrimDuplicates

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.18 EnableFQL

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.5.1.1.19 BypassResultTypes

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.20 ClientType

Type: CSOM String

Accessibility: Read/Write

Specifies the type of the query client. It MUST be of **QueryLogClientType** data type as specified in [\[MS-QSSWS\]](#) section 3.1.4.11.4.1.

3.1.5.5.1.1.21 HitHighlightedProperties

Type: CSOM array of CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.22 ProcessBestBets

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.23 QueryTag

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.24 ResultsUrl

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 3.1.4.7.3.1.

3.1.5.5.1.1.25 TrimDuplicatesIncludeId

Type: CSOM Int64

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 3.1.4.7.3.1.

3.1.5.5.1.1.26 BlockDedupeMode

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.27 CollapseSpecification

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 3.1.4.7.3.1.

3.1.5.5.1.1.28 DesiredSnippetLength

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11

3.1.5.5.1.1.29 EnableOrderingHitHighlightedProperty

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11

3.1.5.5.1.1.30 EnableQueryRules

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether query rules are included when a search query is executed. If the value is true, query rules are applied to the search query. If the value is false, query rules MUST NOT be applied in the search query.

3.1.5.5.1.1.31 EnableSorting

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 3.1.4.7.3.1.

3.1.5.5.1.1.32 GenerateBlockRankLog

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11

3.1.5.5.1.1.33 HitHighlightedMultivaluePropertyLimit

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11

3.1.5.5.1.1.34 ImpressionId

Type: CSOM String

Accessibility: Read/Write

MUST NOT be used.

3.1.5.5.1.1.35 MaxSnippetLength

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11

3.1.5.5.1.1.36 PersonalizationData

Type: CSOM GUID

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.37 ProcessPersonalFavorites

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11

3.1.5.5.1.1.38 Properties

Type: CSOM array of Microsoft.Office.Server.Search.REST.QueryProperty

Accessibility: Read/Write

Used to transport additional and custom search query data, in a name-value structure, from the caller to the server.

As specified in section [3.1.5.29](#).

3.1.5.5.1.1.39 QueryTemplate

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.40 ReorderingRules

Type: CSOM array of Microsoft.SharePoint.Client.Search.Query.ReorderingRule

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.5.1.1.41 SortList

Type: CSOM array of Microsoft.SharePoint.Client.Search.Query.Sort

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.5.1.1.42 SummaryLength

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.43 TotalRowsExactMinimum

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.5.1.1.44 UILanguage

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.5.1.2 ObjectPath Properties

None.

3.1.5.6 Microsoft.Office.Server.Search.REST.SearchResult

TypeId: {C160DFA4-233A-4C58-88D4-9123B0A3D05B}

ShortName: Microsoft.Office.Server.Search.REST.SearchResult

The **SearchResult** structure resembles the **ResultTableCollection** structure (specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.1). However, the individual result tables that share the same **QueryId** are grouped together in a **QueryResult** structure (specified in section [3.1.5.2](#)). The search result tables that have exactly the same **QueryId** value as specified by the protocol client are grouped in the same **QueryResult** structure accessed through the **PrimaryQueryResult** property. All other **QueryResult** buckets are organized in a CSOM array of **QueryResults** accessed through the **SecondaryQueryResults** property.

3.1.5.6.1 Properties

3.1.5.6.1.1 Scalar Properties

3.1.5.6.1.1.1 ElapsedTime

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.1.

3.1.5.6.1.1.2 PrimaryQueryResult

Type: Microsoft.Office.Server.Search.REST.QueryResult

Accessibility: Read/Write

As specified in section [3.1.5.2](#).

3.1.5.6.1.1.3 SecondaryQueryResults

Type: CSOM array of Microsoft.Office.Server.Search.REST.QueryResult

Accessibility: Read/Write

Array of QueryResult as specified in section [3.1.5.2](#).

3.1.5.6.1.1.4 Properties

Type: CSOM dictionary

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 3.1.4.1.3.1.

3.1.5.6.1.1.5 SpellingSuggestion

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 3.1.4.1.3.1.

3.1.5.6.1.1.6 TriggeredRules

Type: CSOM array of CSOM GUID

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 3.1.4.1.3.1.

3.1.5.6.1.2 ObjectPath Properties

None.

3.1.5.7 Microsoft.Office.Server.Search.REST.SearchService

TypeId: {1DBA45DD-4E29-4975-82EB-51A4ABF22707}

ShortName: Microsoft.Office.Server.Search.REST.SearchService

SearchService exposes three OData Service Operations.

- **postquery** supports HTTP POST and returns search results. The purpose of the **postquery** service operation is to overcome URI length restriction in the client or server, by transporting query parameters in the body section of the HTTP request.
- **query** supports HTTP GET and returns search results.
- **suggest** supports HTTP GET and returns search query suggestions.

3.1.5.7.1 Properties

3.1.5.7.1.1 Scalar Properties

None.

3.1.5.7.1.2 ObjectPath Properties

None.

3.1.5.7.2 Methods

3.1.5.7.2.1 Scalar Methods

3.1.5.7.2.1.1 postquery

Return Type: Microsoft.Office.Server.Search.REST.SearchResult

The operation is used to retrieve search results through the use of the HTTP protocol with method type POST.

Parameters:

request: As specified in section [3.1.5.5](#).

Type: Microsoft.Office.Server.Search.REST.SearchRequest

3.1.5.7.2.1.2 query

Return Type: Microsoft.Office.Server.Search.REST.SearchResult

The operation is used to retrieve search results by using the HTTP protocol with the GET method.

Parameters:

querytext: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM String

queryTemplate: As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

Type: CSOM String

enableInterleaving: As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

Type: CSOM Boolean

sourceId: As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

Type: CSOM GUID

rankingModelId: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM String

startRow: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Int32

rowLimit: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Int32

rowsPerPage: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Int32

selectProperties: As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

Type: CSOM String

culture: Specifies the identifier of the language culture of the search query. If present, the value MUST be a valid LCID of a culture name, as specified in [\[RFC3066\]](#).

Type: CSOM Int32

refinementFilters: As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

Type: CSOM String

refiners: As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

Type: CSOM String

hiddenConstraints: As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

Type: CSOM String

sortList: As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

Type: CSOM String

enableStemming: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Boolean

trimDuplicates: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Boolean

timeout: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Int32

enableNicknames: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Boolean

enablePhonetic: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Boolean

enableFQL: As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

Type: CSOM Boolean

hitHighlightedProperties: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM String

bypassResultTypes: As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

Type: CSOM Boolean

processBestBets: As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

Type: CSOM Boolean

clientType: Specifies the type of the query client. It MUST be of the **QueryLogClientType** data type as specified in [\[MS-QSSWS\]](#) section 3.1.4.11.4.1.

Type: CSOM String

personalizationData: As specified in [\[MS-QSSWS\]](#) section 2.2.4.10.

Type: CSOM GUID

resultsUrl: As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

Type: CSOM String

queryTag: As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

Type: CSOM String

trimDuplicatesIncludeId: As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1

Type: CSOM Int64

totalRowsExactMinimum: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Int32

impressionId: MUST NOT be used.

Type: CSOM String

properties: Allows transport of additional and custom properties structured as comma separated name-value pairs.

Type: CSOM String

See section [3.1.5.29](#)

enableQueryRules: Specifies whether query rules are included when a search query is executed. If the value is true, query rules are applied in the search query. If the value is false, query rules MUST NOT be applied in the search query.

Type: CSOM Boolean

summaryLength: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Int32

maxSnippetLength: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Int32

desiredSnippetLength: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Int32

uiLanguage: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Int32

blockDedupeMode: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Int32

generateBlockRankLog: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Boolean

enableSorting: As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

Type: CSOM Boolean

collapseSpecification: As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

Type: CSOM String

processPersonalFavorites: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Boolean

enableOrderingHitHighlightedProperty: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Boolean

hitHighlightedMultivaluePropertyLimit: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Int32

3.1.5.7.2.1.3 suggest

Return Type: Microsoft.SharePoint.Client.Search.Query.QuerySuggestionResults

As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.

Parameters:

querytext: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM String

iNumberOfQuerySuggestions: As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.2.1.

Type: CSOM Int32

iNumberOfResultSuggestions: As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.2.1.

Type: CSOM Int32

fPreQuerySuggestions: As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.2.1.

Type: CSOM Boolean

fHitHighlighting: As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.2.1.

Type: CSOM Boolean

fCapitalizeFirstLetters: As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.2.1.

Type: CSOM Boolean

culture: Specifies the identifier of the language culture of the search suggestion. If present, the value MUST be a valid LCID of a culture name, as specified in [\[RFC3066\]](#).

Type: CSOM Int32

enableStemming: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Boolean

showPeopleNameSuggestions: As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

Type: CSOM Boolean

enableQueryRules: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Boolean

fPrefixMatchAllTerms: As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

Type: CSOM Boolean

3.1.5.7.2.2 ObjectPath Methods

3.1.5.7.2.2.1 CSOM Constructor

Initializes a new instance of the **SearchService** object.

Parameters: None

3.1.5.8 Microsoft.Office.Server.Search.REST.SpecialTermResult

TypeId: {9D6EB278-1166-420E-8642-37887FEE2BDC}

ShortName: Microsoft.Office.Server.Search.REST.SpecialTermResult

SpecialTermResult is a row in the Table property of a SpecialTermResults Table, as specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

A row in a SpecialTermResults Table maps to one instance of SpecialTermResults.

A row in a SpecialTermResults Table MUST have the columns *Title*, *Url*, and *Description*, and it MAY have the column *IsVisualBestBet*. Each of these columns maps to corresponding property of the SpecialTermResult type.

3.1.5.8.1 Properties

3.1.5.8.1.1 Scalar Properties

3.1.5.8.1.1.1 Description

Type: CSOM String

Accessibility: Read/Write

As specified in the SpecialTermResults Table in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.8.1.1.2 IsVisualBestBet

Type: CSOM Boolean

Accessibility: Read/Write

A value indicating whether the best bet should be rendered as an image.

3.1.5.8.1.1.3 Title

Type: CSOM String

Accessibility: Read/Write

As specified in the SpecialTermResults Table in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.8.1.1.4 Url

Type: CSOM String

Accessibility: Read/Write

As specified in the SpecialTermResults Table in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.8.1.1.5 PiSearchResultId

Type: CSOM String

Accessibility: Read/Write

As specified in the SpecialTermResults Table in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6

3.1.5.8.1.1.6 RenderTemplateId

Type: CSOM String

Accessibility: Read/Write

An identifier indicating a suggested rendering template for the **SpecialTermResult** entity.

3.1.5.8.1.2 ObjectPath Properties

None.

3.1.5.9 Microsoft.SharePoint.Client.Search.Query.KeywordQuery

TypeId: {80173281-FFFD-47B6-9A49-312E06FF8428}

ShortName: Microsoft.SharePoint.Client.Search.Query.KeywordQuery

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.9.1 Properties

3.1.5.9.1.1 Scalar Properties

3.1.5.9.1.1.1 BypassResultTypes

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 3.1.4.7.3.1.

3.1.5.9.1.1.2 Culture

Type: CSOM Int32

Accessibility: Read/Write

Specifies the identifier of the language culture of the search query. If present, the value MUST be a valid LCID of a culture name, as specified in [\[RFC3066\]](#).

3.1.5.9.1.1.3 EnableInterleaving

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 3.1.4.7.3.1.

3.1.5.9.1.1.4 EnableNicknames

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.5 EnablePhonetic

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.6 EnableStemming

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.7 HiddenConstraints

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 3.1.4.7.3.1.

3.1.5.9.1.1.8 QueryTag

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 3.1.4.7.3.1.

3.1.5.9.1.1.9 QueryText

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.10 RankingModelId

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.11 Refiners

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 3.1.4.7.3.1.

3.1.5.9.1.1.12 ResultsUrl

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 3.1.4.7.3.1.

3.1.5.9.1.1.13 RowLimit

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.14 RowsPerPage

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.15 ShowPeopleNameSuggestions

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.9.1.1.16 SourceId

Type: CSOM GUID

Accessibility: Read/Write

Unique identifier of the result source.

3.1.5.9.1.1.17 StartRow

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.18 Timeout

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.19 TrimDuplicates

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.20 ClientType

Type: CSOM String

Accessibility: Read/Write

Specifies the type of the query client. It MUST be of **QueryLogClientType** data type as specified in [\[MS-QSSWS\]](#) section 3.1.4.11.4.1.

3.1.5.9.1.1.21 TrimDuplicatesIncludeId

Type: CSOM Int64

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.9.1.1.22 ProcessBestBets

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.9.1.1.23 TotalRowsExactMinimum

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.24 EnableQueryRules

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether query rules are included when a search query is executed. If the value is true, query rules MAY be included in the search query. If the value is false, query rules MUST not be included in the search query.

3.1.5.9.1.1.25 ImpressionID

Type: CSOM String

Accessibility: Read/Write

MUST NOT be used.

3.1.5.9.1.1.26 BlockDedupeMode

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.27 CollapseSpecification

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1

3.1.5.9.1.1.28 DesiredSnippetLength

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.29 EnableOrderingHitHighlightedProperty

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.30 EnableSorting

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.9.1.1.31 GenerateBlockRankLog

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.32 HitHighlightedMultivaluePropertyLimit

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.33 MaxSnippetLength

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.34 ProcessPersonalFavorites

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.35 QueryTemplate

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.36 QueryTemplateParameters

Type: CSOM dictionary

Accessibility: Read Only

As specified in [\[MS-QSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.37 SummaryLength

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.38 UILanguage

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11.

3.1.5.9.1.1.39 IgnoreSafeQueryPropertiesTemplateUrl

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether the **SafeQueryPropertiesTemplateUrl** (section [3.1.5.9.1.1.40](#)) property MAY be ignored by the protocol server.

3.1.5.9.1.1.40 SafeQueryPropertiesTemplateUrl

Type: CSOM String

Accessibility: Read/Write

Specifies an identifier which the protocol server MAY use to modify the client-specified **Properties** property (section [3.1.5.9.1.2.3](#)).

3.1.5.9.1.2 ObjectPath Properties

3.1.5.9.1.2.1 HitHighlightedProperties

Type: Microsoft.SharePoint.Client.Search.Query.StringCollection

Accessibility: Read Only

As specified in [\[MS-QSWS\]](#) section 2.2.4.11.

3.1.5.9.1.2.2 PersonalizationData

Type: Microsoft.SharePoint.Client.Search.Query.QueryPersonalizationData

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.9.1.2.3 Properties

Type: Microsoft.SharePoint.Client.Search.Query.KeywordQueryProperties

Accessibility: Read Only

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.9.1.2.4 RefinementFilters

Type: Microsoft.SharePoint.Client.Search.Query.StringCollection

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.9.1.2.5 SelectProperties

Type: Microsoft.SharePoint.Client.Search.Query.StringCollection

Accessibility: Read Only

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.9.1.2.6 SortList

Type: Microsoft.SharePoint.Client.Search.Query.SortCollection

Accessibility: Read Only

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.9.1.2.7 ReorderingRules

Type: Microsoft.SharePoint.Client.Search.Query.ReorderingRuleCollection

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.9.2 Methods

3.1.5.9.2.1 Scalar Methods

3.1.5.9.2.1.1 GetQuerySuggestionsWithResults

Return Type: Microsoft.SharePoint.Client.Search.Query.QuerySuggestionResults

Specified in [\[MS-QSSWS\]](#) section 3.1.4.18.

Parameters:

iNumberOfQuerySuggestions: As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.2.1.

Type: CSOM Int32

iNumberOfResultSuggestions: As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.2.1

Type: CSOM Int32

fPreQuerySuggestions: As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.2.1.

Type: CSOM Boolean

fHitHighlighting: As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.2.1

Type: CSOM Boolean

fCapitalizeFirstLetters: As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.2.1

Type: CSOM Boolean

fPrefixMatchAllTerms: As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.2.1

Type: CSOM Boolean

3.1.5.9.2.2 ObjectPath Methods

3.1.5.9.2.2.1 CSOM Constructor

Initializes a new instance of the **KeywordQuery** object.

Parameters: None

3.1.5.10 Microsoft.SharePoint.Client.Search.Query.KeywordQueryProperties

TypeId: {8E0AB106-FBFE-43F1-9CB7-329130820F89}

ShortName: Microsoft.SharePoint.Client.Search.Query.KeywordQueryProperties

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1

3.1.5.10.1 Properties

3.1.5.10.1.1 Scalar Properties

None.

3.1.5.10.1.2 ObjectPath Properties

None.

3.1.5.10.2 Methods

3.1.5.10.2.1 Scalar Methods

3.1.5.10.2.1.1 GetQueryPropertyValue

Return Type: Microsoft.SharePoint.Client.Search.Query.QueryPropertyValue

Retrieves the value of a property based on the specified name

Parameters:

name: Name of a property in the KeywordQueryProperties complex type ([\[MS-QSSWS\]](#) section 3.1.4.7.3.1)

Type: CSOM String

3.1.5.10.2.1.2 SetQueryPropertyValue

Return Type: None

Sets the value of a property based on the specified name

Parameters:

name: Name of a property in the **KeywordQueryProperties** complex type ([\[MS-QSSWS\]](#) section 3.1.4.7.3.1)

Type: CSOM String

val: Value of the property to be set in the **KeywordQueryProperties** complex type ([\[MS-QSSWS\]](#) section 3.1.4.7.3.1). The value MUST conform to the specification in ([\[MS-QSSWS\]](#) section 3.1.4.7.3.1)

Type: Microsoft.SharePoint.Client.Search.Query.QueryPropertyValue

3.1.5.10.2.2 ObjectPath Methods

None.

3.1.5.11 Microsoft.SharePoint.Client.Search.Query.PersonalResultSuggestion

TypeId: {AAFD94AF-525A-4759-8410-F571A26F04BC}

ShortName: Microsoft.SharePoint.Client.Search.Query.PersonalResultSuggestion

As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.3.3

3.1.5.11.1 Properties

3.1.5.11.1.1 Scalar Properties

3.1.5.11.1.1.1 IsBestBet

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.3.3

3.1.5.11.1.1.2 Title

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.3.3

3.1.5.11.1.1.3 Url

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.3.3

3.1.5.11.1.1.4 HighlightedTitle

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.3.3

3.1.5.11.1.2 ObjectPath Properties

None.

3.1.5.12 Microsoft.SharePoint.Client.Search.Query.Query

TypeId: {506FBB38-B10C-4CB3-80A0-9003A85B56ED}

ShortName: Microsoft.SharePoint.Client.Search.Query.Query

Specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.12.1 Properties

3.1.5.12.1.1 Scalar Properties

3.1.5.12.1.1.1 BypassResultTypes

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.12.1.1.2 Culture

Type: CSOM Int32

Accessibility: Read/Write

Specifies the identifier of the language culture of the search query. If present, the value MUST be a valid LCID of a culture name, as specified in [\[RFC3066\]](#).

3.1.5.12.1.1.3 EnableInterleaving

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.12.1.1.4 EnableNicknames

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.5 EnablePhonetic

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.6 EnableStemming

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.7 QueryTag

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.12.1.1.8 QueryText

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.9 RankingModelId

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.10 ResultsUrl

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.12.1.1.11 RowLimit

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.12 RowsPerPage

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.13 ShowPeopleNameSuggestions

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 3.1.4.7.3.1.

3.1.5.12.1.1.14 SourceId

Type: CSOM GUID

Accessibility: Read/Write

Unique identifier of the **result source**.

3.1.5.12.1.1.15 StartRow

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.16 Timeout

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.17 TrimDuplicates

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.18 ClientType

Type: CSOM String

Accessibility: Read/Write

Specifies the type of the query client. It MUST be of **QueryLogClientType** data type as specified in [\[MS-QSSWS\]](#) section 3.1.4.11.4.1.

3.1.5.12.1.1.19 ProcessBestBets

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.12.1.1.20 TotalRowsExactMinimum

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.21 EnableQueryRules

Type: CSOM Boolean

Accessibility: Read/Write

Specifies whether query rules are included when a search query is executed. If the value is true, query rules MAY be included in the search query. If the value is false, query rules MUST not be included in the search query.

3.1.5.12.1.1.22 ImpressionID

Type: CSOM String

Accessibility: Read/Write

MUST NOT be used.

3.1.5.12.1.1.23 BlockDedupeMode

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.24 DesiredSnippetLength

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.25 EnableOrderingHitHighlightedProperty

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.26 GenerateBlockRankLog

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.27 HitHighlightedMultivaluePropertyLimit

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.28 MaxSnippetLength

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.29 ProcessPersonalFavorites

Type: CSOM Boolean

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.30 QueryTemplate

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.31 QueryTemplateParameters

Type: CSOM dictionary

Accessibility: Read Only

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.32 SummaryLength

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.33 UILanguage

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.12.1.1.34 IgnoreSafeQueryPropertiesTemplateUrl

Type: CSOM Boolean

Accessibility: Read/Write

The value of this property MUST be ignored by the protocol server.

3.1.5.12.1.1.35 SafeQueryPropertiesTemplateUrl

Type: CSOM String

Accessibility: Read/Write

The value of this property MUST be ignored by the protocol server.

3.1.5.12.1.2 ObjectPath Properties

3.1.5.12.1.2.1 HitHighlightedProperties

Type: Microsoft.SharePoint.Client.Search.Query.StringCollection

Accessibility: Read Only

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.12.1.2.2 PersonalizationData

Type: Microsoft.SharePoint.Client.Search.Query.QueryPersonalizationData

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 2.2.4.11.

3.1.5.12.2 Methods

3.1.5.12.2.1 Scalar Methods

3.1.5.12.2.1.1 GetQuerySuggestionsWithResults

Return Type: Microsoft.SharePoint.Client.Search.Query.QuerySuggestionResults

Specified in [\[MS-QSSWS\]](#) section 3.1.4.18.

Parameters:

iNumberOfQuerySuggestions: As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.2.1.

Type: CSOM Int32

iNumberOfResultSuggestions: As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.2.1.

Type: CSOM Int32

fPreQuerySuggestions: As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.2.1.

Type: CSOM Boolean

fHitHighlighting: As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.2.1.

Type: CSOM Boolean

fCapitalizeFirstLetters: As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.2.1.

Type: CSOM Boolean

fPrefixMatchAllTerms: As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.2.1.

Type: CSOM Boolean

3.1.5.12.2.2 ObjectPath Methods

None.

3.1.5.13 Microsoft.SharePoint.Client.Search.Query.QueryPersonalizationData

TypeId: {28D79F49-820A-4D51-BB2A-3309B3F4C54D}

ShortName: Microsoft.SharePoint.Client.Search.Query.QueryPersonalizationData

As specified in [\[MS-QSSWS\]](#) section 2.2.4.10.

3.1.5.13.1 Properties

3.1.5.13.1.1 Scalar Properties

None.

3.1.5.13.1.2 ObjectPath Properties

None.

3.1.5.13.2 Methods

3.1.5.13.2.1 Scalar Methods

None.

3.1.5.13.2.2 ObjectPath Methods

3.1.5.13.2.2.1 CSOM Constructor

Initializes a new instance of the **QueryPersonalizationData** object.

Parameters:

guidUserIdString: As specified by **UserId** in [\[MS-QSSWS\]](#) section 2.2.4.10.

Type: CSOM String

3.1.5.14 Microsoft.SharePoint.Client.Search.Query.QueryPropertyValue

TypeId: {B25BA502-71D7-4AE4-A701-4CA2FB1223BE}

ShortName: Microsoft.SharePoint.Client.Search.Query.QueryPropertyValue

This object is used to store values of predefined types. The object MUST have a value set for only one of the property.

3.1.5.14.1 Properties

3.1.5.14.1.1 Scalar Properties

3.1.5.14.1.1.1 BoolVal

Type: CSOM Boolean

Accessibility: Read/Write

Specifies any arbitrary value of type CSOM Boolean. This property MUST have a value only if **QueryPropertyValueTypeId** is set to 3.

3.1.5.14.1.1.2 IntVal

Type: CSOM Int32

Accessibility: Read/Write

Specifies any arbitrary value of type CSOM Int32. This property MUST have a value only if **QueryPropertyValueTypeId** is set to 2.

3.1.5.14.1.1.3 QueryPropertyValueTypeId

Type: CSOM Int32

Accessibility: Read/Write

Specifies the type of data stored in this object. This MUST be set to one of the following values.

- 0: Specifies that no value is stored in this object.
- 1: Specifies that a CSOM String value is stored.
- 2: Specifies that a CSOM Int32 value is stored.
- 3: Specifies that a CSOM Boolean value is stored.
- 4: Specifies that a CSOM array of type CSOM String is stored.
- 5: Specifies that the value is an unsupported type.

3.1.5.14.1.1.4 StrArray

Type: CSOM array of CSOM String

Accessibility: Read/Write

Specifies any arbitrary value of type CSOM array. This property **MUST** have a value only if **QueryPropertyValueTypeIndex** is set to 4.

3.1.5.14.1.1.5 StrVal

Type: CSOM String

Accessibility: Read/Write

Specifies any arbitrary value of type CSOM String. This property **MUST** have a value only if **QueryPropertyValueTypeIndex** is set to 1.

3.1.5.14.1.2 ObjectPath Properties

None.

3.1.5.15 Microsoft.SharePoint.Client.Search.Query.QuerySuggestionResults

TypeId: {EF071CB4-7FAB-4E8D-9480-F15D30DC696D}

ShortName: Microsoft.SharePoint.Client.Search.Query.QuerySuggestionResults

As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.3.1.

3.1.5.15.1 Properties

3.1.5.15.1.1 Scalar Properties

3.1.5.15.1.1.1 PeopleNames

Type: CSOM array of CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.3.1.

3.1.5.15.1.1.2 PersonalResults

Type: CSOM array of Microsoft.SharePoint.Client.Search.Query.PersonalResultSuggestion

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.3.1.

3.1.5.15.1.1.3 Queries

Type: CSOM array of Microsoft.SharePoint.Client.Search.Query.QuerySuggestionQuery

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.18.3.1.

3.1.5.15.1.2 ObjectPath Properties

None.

3.1.5.16 Microsoft.SharePoint.Client.Search.Query.ResultTable

TypeId: {6780DF59-1036-4912-829B-432354F22656}

ShortName: Microsoft.SharePoint.Client.Search.Query.ResultTable

Specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.16.1 Properties

3.1.5.16.1.1 Scalar Properties

3.1.5.16.1.1.1 Properties

Type: CSOM dictionary

Accessibility: Read Only

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.16.1.1.2 QueryId

Type: CSOM String

Accessibility: Read Only

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.16.1.1.3 ResultRows

Type: CSOM array of CSOM dictionary

Accessibility: Read Only

Contains the list of query results.

3.1.5.16.1.1.4 RowCount

Type: CSOM Int32

Accessibility: Read Only

As specified in [\[MS-QSWS\]](#) section 3.1.4.1.3.6.

3.1.5.16.1.1.5 TableType

Type: CSOM String

Accessibility: Read Only

As specified in [\[MS-QSWS\]](#) section 3.1.4.1.3.6.

3.1.5.16.1.1.6 TotalRows

Type: CSOM Int32

Accessibility: Read Only

As specified in [\[MS-QSWS\]](#) section 3.1.4.1.3.6.

3.1.5.16.1.1.7 GroupTemplateId

Type: CSOM String

Accessibility: Read Only

As specified in [\[MS-QSWS\]](#) section 3.1.4.1.3.6.

3.1.5.16.1.1.8 ItemTemplateId

Type: CSOM String

Accessibility: Read Only

As specified in [\[MS-QSWS\]](#) section 3.1.4.1.3.6.

3.1.5.16.1.1.9 QueryRuleId

Type: CSOM String

Accessibility: Read Only

As specified in [\[MS-QSWS\]](#) section 3.1.4.1.3.6.

3.1.5.16.1.1.10 ResultTitle

Type: CSOM String

Accessibility: Read Only

As specified in [\[MS-QSWS\]](#) section 3.1.4.1.3.6.

3.1.5.16.1.1.11 ResultTitleUrl

Type: CSOM String

Accessibility: Read Only

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.16.1.1.12 TotalRowsIncludingDuplicates

Type: CSOM Int32

Accessibility: Read Only

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.16.1.2 ObjectPath Properties

None.

3.1.5.17 Microsoft.SharePoint.Client.Search.Query.ResultTableCollection

TypeId: {11F20D08-7F42-49C1-8C0C-8EE4C32B203E}

ShortName: Microsoft.SharePoint.Client.Search.Query.ResultTableCollection

Specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.1.

3.1.5.17.1 Properties

3.1.5.17.1.1 Scalar Properties

3.1.5.17.1.1.1 ElapsedTime

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.1.

3.1.5.17.1.1.2 Properties

Type: CSOM dictionary

Accessibility: Read Only

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.1.

3.1.5.17.1.1.3 QueryId

Type: CSOM String

Accessibility: Read Only

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.1.

3.1.5.17.1.1.4 SpellingSuggestion

Type: CSOM String

Accessibility: Read Only

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.1.

3.1.5.17.1.1.5 TriggeredRules

Type: CSOM array of CSOM GUID

Accessibility: Read Only

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.1.

3.1.5.17.1.1.6 QueryErrors

Type: CSOM dictionary

Accessibility: Read Only

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.1.

3.1.5.17.1.2 ObjectPath Properties

None.

3.1.5.18 Microsoft.SharePoint.Client.Search.Query.SearchExecutor

TypeId: {8D2AC302-DB2F-46FE-9015-872B35F15098}

ShortName: Microsoft.SharePoint.Client.Search.Query.SearchExecutor

This object contains operations to execute a search query or a batch of search queries and retrieve a list of links to items and associated properties, crawled locally by the protocol server or by another search engine.

3.1.5.18.1 Properties

3.1.5.18.1.1 Scalar Properties

None.

3.1.5.18.1.2 ObjectPath Properties

None.

3.1.5.18.2 Methods

3.1.5.18.2.1 Scalar Methods

3.1.5.18.2.1.1 ExecuteQueries

Return Type: CSOM dictionary

This method is used to execute a batch of search queries and retrieve a list of links to items, crawled locally by the protocol server or by another search engine, that are relevant to the search query, together with associated properties, for all the search queries.

This method returns a dictionary where each row corresponds to a query object. Each row contains a *queryId* and query results that correspond to that *queryId*.

Parameters:

queryIds: Specifies a list of identifiers for the query objects in the *queries* parameter.

Type: CSOM array of CSOM String

queries: Specifies a list of query objects specified in section [3.1.5.12](#).

Type: CSOM array of Microsoft.SharePoint.Client.Search.Query.Query

handleExceptions: Specifies how the protocol server SHOULD handle errors encountered while executing the list of search queries. If the value is "true", then the protocol server MUST execute all the search queries. For each search query that encounters an error, the protocol server MUST set the **QueryErrors** property specified in section [3.1.5.17.1.1.6](#) of the corresponding query result in the returned dictionary. If the value is "false", and any search query encounters an error, the protocol server MUST throw an exception that represents the error for any one of the search queries.

Type: CSOM Boolean

3.1.5.18.2.1.2 ExecuteQuery

Return Type: Microsoft.SharePoint.Client.Search.Query.ResultTableCollection

This method is used to execute a search query and retrieve a list of links to items, crawled locally by the protocol server or by another search engine, that are relevant to the search query, together with associated properties.

This method returns a **ResultTableCollection** object that contains the query results for the search query

Parameters:

query: Specified in section [3.1.5.12](#).

Type: Microsoft.SharePoint.Client.Search.Query.Query

3.1.5.18.2.1.3 RecordPageClick

Return Type: None

Specified in [\[MS-QSSWS\]](#) section 3.1.4.16.

Parameters:

pageInfo: MUST be set to the value of the **piPageImpression** property of the **ResultTableCollection**. If the **piPageImpression** property does not exist or is an empty string, then the client MUST NOT call this method. See **piPageImpression** in [\[MS-QSSWS\]](#) section 3.1.4.1.3.1.

Type: CSOM String

Microsoft.SharePoint.Client.Web is specified in [\[MS-CSOMSPT\]](#) section 3.2.5.143.

clickType: As specified in [\[MS-QSSWS\]](#) section 3.1.4.16.4.1

Type: CSOM String

blockType: MUST be set to the value of the **piPageImpressionBlockType** property of the **ResultTable**. If the **piPageImpressionBlockType** property does not exist or is an empty string then the client MUST NOT call this method. See **piPageImpressionBlockType** in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

Type: CSOM Int32

clickedResultId: MUST be set to the value of the **piSearchResultId** column of the **ResultTable**. If the **piSearchResultId** column does not exist or is an empty string, then the client MUST NOT call this method. See **piSearchResultId** in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

Type: CSOM String

subResultIndex: The index of the document associated with a search result. MUST be 0 if the search result is clicked or MUST be a 1-based index of a document returned in the **deeplinks** column of a corresponding **ResultTable**. Documents in the **deeplinks** column are represented as encoded URLs separated by spaces.

Type: CSOM Int32

immediacySourceId: See **SourceId** in section [3.1.5.12.1.1.14](#).

Type: CSOM String

immediacyQueryString: See **QueryText** in section [3.1.5.12.1.1.8](#).

Type: CSOM String

immediacyTitle: See **ResultTitle** in section [3.1.5.16.1.1.10](#).

Type: CSOM String

immediacyUrl: See **ResultTitleUrl** in section [3.1.5.16.1.1.11](#).

Type: CSOM String

3.1.5.18.2.1.4 ExportPopularQueries

Return Type: CSOM array of Microsoft.SharePoint.Client.Search.Query.PopularQuery

This method is used to get a list of popular search queries executed on the specified **site (2)**.

Parameters:

web: The site (2) that is used by the protocol server to identify the **context** of the popular query export.

Type: Microsoft.SharePoint.Client.Web

sourceId: Specifies the unique identifier of the result source to use for exporting popular queries.

Type: CSOM GUID

3.1.5.18.2.2 ObjectPath Methods

3.1.5.18.2.2.1 CSOM Constructor

Initializes a new instance of the **SearchExecutor** object.

Parameters: None

3.1.5.19 Microsoft.SharePoint.Client.Search.Query.Sort

TypeId: {2CD54EF7-C2B3-4405-BCE3-EC521D35A7EB}

ShortName: Microsoft.SharePoint.Client.Search.Query.Sort

Specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.6.

3.1.5.19.1 Properties

3.1.5.19.1.1 Scalar Properties

3.1.5.19.1.1.1 Direction

Type: Microsoft.SharePoint.Client.Search.Query.SortDirection

Accessibility: Read Only

Specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.6.

3.1.5.19.1.1.2 Property

Type: CSOM String

Accessibility: Read Only

For details, see **strProperty**, as specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.6.

3.1.5.19.1.2 ObjectPath Properties

None.

3.1.5.20 Microsoft.SharePoint.Client.Search.Query.SortCollection

TypeId: {F5A89F94-DB5D-4ABE-B9EC-DC6B306DF93E}

ShortName: Microsoft.SharePoint.Client.Search.Query.SortCollection

Specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.4.

3.1.5.20.1 Properties

3.1.5.20.1.1 Scalar Properties

None.

3.1.5.20.1.2 ObjectPath Properties

None.

3.1.5.20.2 Methods

3.1.5.20.2.1 Scalar Methods

3.1.5.20.2.1.1 Add

Return Type: None

Adds a new element of type `Microsoft.SharePoint.Client.Search.Query.Sort` to the collection and returns a reference to the added `Microsoft.SharePoint.Client.Search.Query.Sort`.

Parameters:

strProperty: Specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.6.

Type: CSOM String

direction: Specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.6.

Type: `Microsoft.SharePoint.Client.Search.Query.SortDirection`

3.1.5.20.2.1.2 Clear

Return Type: None

Deletes all the elements in the collection.

Parameters: None

3.1.5.20.2.2 ObjectPath Methods

None.

3.1.5.21 Microsoft.SharePoint.Client.Search.Query.SortDirection

ShortName: `Microsoft.SharePoint.Client.Search.Query.SortDirection`

Flag: false

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.4.4.

3.1.5.21.1 Field Values

3.1.5.21.1.1 Ascending

Value: 0

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.4.4.

3.1.5.21.1.2 Descending

Value: 1

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.4.4.

3.1.5.21.1.3 FQLFormula

Value: 2

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.4.4.

3.1.5.22 Microsoft.SharePoint.Client.Search.Query.StringCollection

TypeId: {17C6C8BA-C570-4DB1-993A-FBACF4E4EF07}

ShortName: Microsoft.SharePoint.Client.Search.Query.StringCollection

Contains a collection of arbitrary string values.

3.1.5.22.1 Properties

3.1.5.22.1.1 Scalar Properties

None.

3.1.5.22.1.2 ObjectPath Properties

None.

3.1.5.22.2 Methods

3.1.5.22.2.1 Scalar Methods

3.1.5.22.2.1.1 Add

Return Type: None

Adds an arbitrary string value to the collections.

Parameters:

property: A single string value

Type: CSOM String

3.1.5.22.2.1.2 Clear

Return Type: None

Deletes all the string values in the collection.

Parameters: None

3.1.5.22.2.2 ObjectPath Methods

3.1.5.22.2.2.1 CSOM Constructor

Initializes a new instance of the **StringCollection** object.

Parameters: None

3.1.5.23 Microsoft.SharePoint.Client.Search.Query.RankingLabeling

TypeId: {E2533389-4387-4EBE-8DF7-11AF5568AED5}

ShortName: Microsoft.SharePoint.Client.Search.Query.RankingLabeling

Provides methods for getting and adding **relevance judgments**.

3.1.5.23.1 Properties

3.1.5.23.1.1 Scalar Properties

None.

3.1.5.23.1.2 ObjectPath Properties

None.

3.1.5.23.2 Methods

3.1.5.23.2.1 Scalar Methods

3.1.5.23.2.1.1 AddJudgment

Return Type: None

Adds a single relevance judgment for the specified **query** and URL pair.

Parameters:

userQuery: User query for which the relevance judgment is added.

Type: CSOM String

url: URL for which the relevance judgment is added.

Type: CSOM String

labelId: The judgment for this query-URL pair as represented by an **Int16**. This value MUST be between 1 and 5 inclusive.

Type: **CSOM Int16**

3.1.5.23.2.1.2 GetJudgementsForQuery

Return Type: CSOM dictionary

Retrieves all known relevance judgments for the specified query. The returned dictionary MUST map the URL of the document to the relevance judgment label. The label MUST be an integer value between 1 and 5 inclusive.

Parameters:

query: Query string for which relevance judgments are to be retrieved.

Type: CSOM String

3.1.5.23.2.1.3 NormalizeResultUrl

Return Type: CSOM String

A URL string after normalization. The input and output URL strings MUST resolve to the same document.

Parameters:

url: The URL for which the relevance judgment is added.

Type: CSOM String

3.1.5.23.2.2 ObjectPath Methods

3.1.5.23.2.2.1 CSOM Constructor

Initializes a new instance of the **RankingLabeling** object.

Parameters: None

3.1.5.24 Microsoft.SharePoint.Client.Search.Query.QuerySuggestionQuery

TypeId: {44908C33-C578-4342-905A-EE284B67B415}

ShortName: Microsoft.SharePoint.Client.Search.Query.QuerySuggestionQuery

Specified in [\[MS-QSSWS\]](#) section 3.1.4.18.3.5.

3.1.5.24.1 Properties

3.1.5.24.1.1 Scalar Properties

3.1.5.24.1.1.1 IsPersonal

Type: CSOM Boolean

Accessibility: Read/Write

Specified in [\[MS-QSSWS\]](#) section 3.1.4.18.3.5.

3.1.5.24.1.1.2 Query

Type: CSOM String

Accessibility: Read/Write

Specified in [\[MS-QSSWS\]](#) section 3.1.4.18.3.5.

3.1.5.24.1.2 ObjectPath Properties

None.

3.1.5.25 Microsoft.Office.Server.Search.REST.SpecialTermResults

TypeId: {185764A3-378A-4436-B87D-6B5CD50B8E6A}

ShortName: Microsoft.Office.Server.Search.REST.SpecialTermResults

SpecialTermResults is a SpecialTermResults Table, as specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6

Each entry in the Table property from the SpecialResults Table is mapped to a SpecialTermResult entry accessible through the **Results** property.

3.1.5.25.1 Properties

3.1.5.25.1.1 Scalar Properties

3.1.5.25.1.1.1 Properties

Type: CSOM dictionary

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.25.1.1.2 Results

Type: CSOM array of Microsoft.Office.Server.Search.REST.SpecialTermResult

Accessibility: Read/Write

As specified in section [3.1.5.8](#).

Contains the list of **SpecialTermResult** entries.

3.1.5.25.1.1.3 GroupTemplateId

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.25.1.1.4 ItemTemplateId

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.25.1.1.5 ResultTitle

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.25.1.1.6 ResultTitleUrl

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6.

3.1.5.25.1.2 ObjectPath Properties

None.

3.1.5.26 Microsoft.SharePoint.Client.Search.Query.ReorderingRule

TypeId: {D8566F46-74B1-4D92-BA88-0EFD23B36F71}

ShortName: Microsoft.SharePoint.Client.Search.Query.ReorderingRule

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.9.

3.1.5.26.1 Properties

3.1.5.26.1.1 Scalar Properties

3.1.5.26.1.1.1 Boost

Type: CSOM Int32

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.9.

3.1.5.26.1.1.2 MatchType

Type: Microsoft.SharePoint.Client.Search.Query.ReorderingRuleMatchType

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.9.

3.1.5.26.1.1.3 MatchValue

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.9.

3.1.5.26.1.2 ObjectPath Properties

None.

3.1.5.27 Microsoft.SharePoint.Client.Search.Query.ReorderingRuleCollection

TypeId: {B0522938-E1B7-4FC4-A6A8-BD3ED873E614}

ShortName: Microsoft.SharePoint.Client.Search.Query.ReorderingRuleCollection

Specified in [\[MS-QSSWS\]](#) section 3.1.4.7.3.7.

3.1.5.27.1 Properties

3.1.5.27.1.1 Scalar Properties

None.

3.1.5.27.1.2 ObjectPath Properties

None.

3.1.5.27.2 Methods

3.1.5.27.2.1 Scalar Methods

3.1.5.27.2.1.1 Add

Return Type: None

Adds a new element of type **Microsoft.SharePoint.Client.Search.Query.ReorderingRule** as specified in section [3.1.5.26](#) to the collection and returns a reference to the added Microsoft.SharePoint.Client.Search.Query.ReorderingRule element.

Parameters:

matchType: See section [3.1.5.28](#).

Type: Microsoft.SharePoint.Client.Search.Query.ReorderingRuleMatchType

matchValue: [\[MS-QSSWS\]](#) section 3.1.4.7.3.9.

Type: CSOM String

boost: [\[MS-QSSWS\]](#) section 3.1.4.7.3.9.

Type: CSOM Int32

3.1.5.27.2.1.2 Clear

Return Type: None

Deletes all the elements from the collection.

Parameters: None

3.1.5.27.2.2 ObjectPath Methods

None.

3.1.5.28 Microsoft.SharePoint.Client.Search.Query.ReorderingRuleMatchType

ShortName: Microsoft.SharePoint.Client.Search.Query.ReorderingRuleMatchType

Flag: false

Specified in [\[MS-QSSWS\]](#) section 3.1.4.7.4.5.

3.1.5.28.1 Field Values

3.1.5.28.1.1 ResultContainsKeyword

Value: 0

Specified in [\[MS-QSSWS\]](#) section 3.1.4.7.4.5.

3.1.5.28.1.2 TitleContainsKeyword

Value: 1

Specified in [\[MS-QSSWS\]](#) section 3.1.4.7.4.5.

3.1.5.28.1.3 TitleMatchesKeyword

Value: 2

Specified in [\[MS-QSSWS\]](#) section 3.1.4.7.4.5.

3.1.5.28.1.4 UrlStartsWith

Value: 3

Specified in [\[MS-QSSWS\]](#) section 3.1.4.7.4.5.

3.1.5.28.1.5 UriExactlyMatches

Value: 4

Specified in [\[MS-QSSWS\]](#) section 3.1.4.7.4.5.

3.1.5.28.1.6 ContentTypeIs

Value: 5

Specified in [\[MS-QSSWS\]](#) section 3.1.4.7.4.5.

3.1.5.28.1.7 FileExtensionMatches

Value: 6

Specified in [\[MS-QSSWS\]](#) section 3.1.4.7.4.5.

3.1.5.28.1.8 ResultHasTag

Value: 7

Specified in [\[MS-QSSWS\]](#) section 3.1.4.7.4.5.

3.1.5.28.1.9 ManualCondition

Value: 8

Specified in [\[MS-QSSWS\]](#) section 3.1.4.7.4.5.

3.1.5.29 Microsoft.Office.Server.Search.REST.QueryProperty

TypeId: {742338CA-8301-4574-9D77-BFF2AF39AD62}

ShortName: Microsoft.Office.Server.Search.REST.QueryProperty

This object stores additional or custom properties for a search query. A **QueryProperty** is structured as name-value pairs.

The value **MUST** conform to the specification in [\[MS-QSSWS\]](#) section 3.1.4.7.3.1.

3.1.5.29.1 Properties

3.1.5.29.1.1 Scalar Properties

3.1.5.29.1.1.1 Name

Type: CSOM String

Accessibility: Read/Write

Name of a property in **CSOM String** format.

This property stores the name part of the **QueryProperty** name-value pair.

3.1.5.29.1.1.2 Value

Type: Microsoft.SharePoint.Client.Search.Query.QueryPropertyValue

Accessibility: Read/Write

As specified in section [3.1.5.14](#).

This property stores the value part of the **QueryProperty** name-value pair.

3.1.5.29.1.2 ObjectPath Properties

None.

3.1.5.30 Microsoft.Office.Server.Search.REST.Refiner

TypeId: {63EEBA68-040C-4B26-8590-EB2E4153163F}

ShortName: Microsoft.Office.Server.Search.REST.Refiner

Refiner is an **ArrayOfRefinement** as specified in [\[MS-QSSWS\]](#) section [3.1.4.1.3.9](#).

A refiner contains a CSOM array, with entries, of the types as specified in section [3.1.5.2](#). All entries in the array **MUST** share the same **RefinerName**, as specified in [\[MS-QSSWS\]](#) section 3.1.4.1.3.6), accessed through the **Name** property of the refiner containing these entries.

3.1.5.30.1 Properties

3.1.5.30.1.1 Scalar Properties

3.1.5.30.1.1.1 Entries

Type: CSOM array of Microsoft.Office.Server.Search.REST.RefinerEntry

Accessibility: Read/Write

An array of **RefinerEntry** as specified in section [3.1.5.2](#).

3.1.5.30.1.1.2 Name

Type: CSOM String

Accessibility: Read/Write

As specified as Refinement.RefinerName in [\[MS-QSSWS\]](#) section [3.1.4.1.3.10](#).

3.1.5.30.1.2 ObjectPath Properties

None.

3.1.5.31 Microsoft.Office.Server.Search.REST.RefinerEntry

TypeId: {316905B6-359D-44A3-B728-25F2D292E1E8}

ShortName: Microsoft.Office.Server.Search.REST.RefinerEntry

As specified in [\[MS-QSSWS\]](#) section [3.1.4.1.3.10](#).

3.1.5.31.1 Properties

3.1.5.31.1.1 Scalar Properties

3.1.5.31.1.1.1 RefinementCount

Type: CSOM Int64

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section [3.1.4.1.3.10](#).

3.1.5.31.1.1.2 RefinementName

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section [3.1.4.1.3.10](#).

3.1.5.31.1.1.3 RefinementToken

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section [3.1.4.1.3.10](#).

3.1.5.31.1.1.4 RefinementValue

Type: CSOM String

Accessibility: Read/Write

As specified in [\[MS-QSSWS\]](#) section [3.1.4.1.3.10](#).

3.1.5.31.1.2 ObjectPath Properties

None.

3.1.5.32 Microsoft.Office.Server.Search.WebControls.ControlMessage

TypeId: {D3DFEF63-4D44-497D-B936-047135645AD7}

ShortName: Microsoft.Office.Server.Search.WebControls.ControlMessage

This object stores information about a search query exception.

3.1.5.32.1 Properties

3.1.5.32.1.1 Scalar Properties

3.1.5.32.1.1.1 code

Type: CSOM Int32

Accessibility: Read Only

This property is not used and MUST be -1.

3.1.5.32.1.1.2 correlationID

Type: CSOM String

Accessibility: Read Only

The **GUID** used to log all the information for a search query in diagnostic logs.

3.1.5.32.1.1.3 encodeDetails

Type: CSOM Boolean

Accessibility: Read Only

If TRUE, the protocol client MUST interpret the **messageDetails** as **HTML**.

3.1.5.32.1.1.4 header

Type: CSOM String

Accessibility: Read Only

This property is not used and MUST be null.

3.1.5.32.1.1.5 level

Type: Microsoft.Office.Server.Search.WebControls.MessageLevel

Accessibility: Read Only

MUST be **MessageLevel.Error** as specified in section [3.1.5.33.1.3](#).

3.1.5.32.1.1.6 messageDetails

Type: CSOM String

Accessibility: Read Only

The detailed message of the search query exception.

3.1.5.32.1.1.7 messageDetailsForViewers

Type: CSOM String

Accessibility: Read Only

This property is not used and MUST be an empty string.

3.1.5.32.1.1.8 serverTypeId

Type: CSOM String

Accessibility: Read Only

A unique identifier of the **ControlMessage** (section [3.1.5.32](#)) object. MUST have the value of "{D3DFF63-4D44-497D-B936-047135645AD7}"

3.1.5.32.1.1.9 showForViewerUsers

Type: CSOM Boolean

Accessibility: Read Only

This property is not used and MUST be true.

3.1.5.32.1.1.10 showInEditModeOnly

Type: CSOM Boolean

Accessibility: Read Only

This property is not used and MUST be false.

3.1.5.32.1.1.11 stackTrace

Type: CSOM String

Accessibility: Read Only

The stack trace of the search query exception.

3.1.5.32.1.1.12 type

Type: CSOM String

Accessibility: Read Only

The class name of the search query exception.

3.1.5.32.1.2 ObjectPath Properties

None.

3.1.5.33 Microsoft.Office.Server.Search.WebControls.MessageLevel

ShortName: Microsoft.Office.Server.Search.WebControls.MessageLevel

Flag: false

Severity level of the **ControlMessage** as specified in section [3.1.5.32](#).

3.1.5.33.1 Field Values

3.1.5.33.1.1 Information

Value: 0

Indicates that the **ControlMessage** (section [3.1.5.32](#)) is informational.

3.1.5.33.1.2 Warning

Value: 1

Indicates that the **ControlMessage** (section [3.1.5.32](#)) is a warning.

3.1.5.33.1.3 Error

Value: 2

Indicates that the **ControlMessage** (section [3.1.5.32](#)) is an error.

3.1.5.34 Microsoft.SharePoint.Client.Search.Administration.DocumentCrawlLog

TypeId: {5C5CFD42-0712-4C00-AE49-23B33BA34ECC}

ShortName: Microsoft.SharePoint.Client.Search.Administration.DocumentCrawlLog

This object contains methods that can be used by the protocol client to retrieve information about items that were crawled.

3.1.5.34.1 Properties

3.1.5.34.1.1 Scalar Properties

None.

3.1.5.34.1.2 ObjectPath Properties

None.

3.1.5.34.2 Methods

3.1.5.34.2.1 Scalar Methods

3.1.5.34.2.1.1 GetCrawledUrls

Return Type: Microsoft.SharePoint.Client.SimpleDataTable

This method is used to retrieve information about all the contents that were crawled. Microsoft.SharePoint.Client.SimpleDataTable is specified in [\[MS-CSOMREST\]](#) section 3.1.5.1.3.3.

Parameters:

getCountOnly: If true, only the count of the contents crawled MUST be returned. If false, all the information about the crawled contents MUST be returned.

Type: CSOM Boolean

maxRows: maximum number of rows to be returned. If 0 is specified, all the rows are be returned. The protocol server MUST NOT return more rows than specified by the maxRows parameter, if it is not 0.

Type: CSOM Int64

queryString: Specifies the URL pattern for which crawled documents MUST be returned. The specified pattern MUST match all literal characters except for the character '*'. The '*' character MUST match any number of arbitrary characters.

Type: CSOM String

isLike: If true, the pattern specified in *queryString* MUST be used as the prefix while matching the URLs of the crawled content. If false, the pattern specified in *queryString* MUST be used to exactly match the URLs of the crawled content.

Type: CSOM Boolean

contentSourceID: Unique identifier of the **content source**. If specified, only the crawled contents that are associated with the content source MUST be returned.

Type: CSOM Int32

errorLevel: Specifies the type of crawled content that MUST be returned. MUST be set to one of the following values: **-1**: All the crawled content MUST be returned. **0**: Only contents that were successfully crawled MUST be returned. **1**: Only contents that generated a warning during a crawl MUST be returned. **2**: Only contents that generated an error during a crawl MUST be returned. **3**:

Only contents that were previously in the index but removed during the latest crawl MUST be returned.

Type: CSOM Int32

errorID: MUST be set to -1.

Type: CSOM Int32

startDateTime: If set to **DateTime.MinValue**, information about all the crawled contents MUST be returned. If not, only information about contents that were crawled after this datetime MUST be returned.

Type: **CSOM DateTime**

endDateTime: If set to **DateTime.MaxValue**, information about all the crawled contents MUST be returned. If not, only information about contents that were crawled before this datetime MUST be returned.

Type: CSOM DateTime

3.1.5.34.2.2 ObjectPath Methods

3.1.5.34.2.2.1 CSOM Constructor

Initializes a new instance of a **DocumentCrawlLog** object.

Parameters:

site: The site (2) for which information about items that were crawled is retrieved.

Type: Microsoft.SharePoint.Client.Site

Microsoft.SharePoint.Client.Site is specified in [\[MS-CSOMSPT\]](#) section 3.2.5.119.

3.1.5.35 Microsoft.SharePoint.Client.Search.Administration.SearchObjectLevel

ShortName: Microsoft.SharePoint.Client.Search.Administration.SearchObjectLevel

Flag: false

This enumeration represents a site (2) server level.

3.1.5.35.1 Field Values

3.1.5.35.1.1 SPWeb

Value: 0

Represents the level of a site (2) server site.

3.1.5.35.1.2 SPSite

Value: 1

Represents the level of a site (2) server site collection.

3.1.5.35.1.3 SPSiteSubscription

Value: 2

Represents the level of a site (2) server tenant.

3.1.5.35.1.4 Ssa

Value: 3

Represents the level of a site (2) server search service application.

3.1.5.36 Microsoft.SharePoint.Client.Search.Administration.SearchObjectOwner

TypeId: {E6834C69-54C1-4BFC-9805-4B88406C28BB}

ShortName: Microsoft.SharePoint.Client.Search.Administration.SearchObjectOwner

This object represents a site (2) server owner.

3.1.5.36.1 Properties

3.1.5.36.1.1 Scalar Properties

None.

3.1.5.36.1.2 ObjectPath Properties

None.

3.1.5.36.2 Methods

3.1.5.36.2.1 Scalar Methods

None.

3.1.5.36.2.2 ObjectPath Methods

3.1.5.36.2.2.1 CSOM Constructor

Initializes a new **SearchObjectOwner** object.

Parameters:

lowestCurrentLevelToUse: Specifies the site (2) server level to use.

Type: Microsoft.SharePoint.Client.Search.Administration.SearchObjectLevel

3.1.5.37

Microsoft.SharePoint.Client.Search.Portability.SearchConfigurationPortability

TypeId: {F44B2C90-DDC4-49C8-8D4D-4FB56DCC3247}

ShortName: Microsoft.SharePoint.Client.Search.Portability.SearchConfigurationPortability

This object contains methods that can be used to import, export, or delete search settings, which includes query rules, result sources, **managed properties**, **crawled properties**, and **ranking models**, to a site, site collection, tenant level, or search service application.

3.1.5.37.1 Properties

3.1.5.37.1.1 Scalar Properties

3.1.5.37.1.1.1 ImportWarnings

Type: CSOM String

Accessibility: Read Only

Specifies the warning messages that were generated during the import.

3.1.5.37.1.2 ObjectPath Properties

None.

3.1.5.37.2 Methods

3.1.5.37.2.1 Scalar Methods

3.1.5.37.2.1.1 ExportSearchConfiguration

Return Type: CSOM String

This method exports the search settings at the specified site (2) server level. This method **MUST** only export the search setting added by the user and **MUST NOT** export the out-of-box search settings.

Parameters:

owningScope: Specifies the site (2) server level at which to export the search settings.

Type: Microsoft.SharePoint.Client.Search.Administration.SearchObjectOwner

3.1.5.37.2.1.2 ImportSearchConfiguration

Return Type: None

This method imports the search settings at the specified site (2) server level.

Parameters:

owningScope: Specifies the site (2) server level at which to import the search settings.

Type: Microsoft.SharePoint.Client.Search.Administration.SearchObjectOwner

searchConfiguration: Specifies the search settings to be imported at the specified site (2) server level. This is obtained by exporting the search setting using the **ExportSearchConfiguration** (section [3.1.5.37.2.1.1](#)) method.

Type: CSOM String

3.1.5.37.2.1.3 DeleteSearchConfiguration

Return Type: None

This method deletes the search settings at the specified site (2) server level.

Parameters:

owningScope: Specifies the site (2) server level at which to delete the search settings.

Type: Microsoft.SharePoint.Client.Search.Administration.SearchObjectOwner

searchConfiguration: Specifies the search settings that MUST be deleted.

Type: CSOM String

3.1.5.37.2.2 ObjectPath Methods

3.1.5.37.2.2.1 CSOM Constructor

Initializes a new instance of the **SearchConfigurationPortability** object.

Parameters: None

3.1.5.38 Microsoft.SharePoint.Client.Search.Query.PopularQuery

TypeId: {CEA115D6-87EC-4E1C-AA4A-B8D44D6CD10D}

ShortName: Microsoft.SharePoint.Client.Search.Query.PopularQuery

This object is used by the **ExportPopularQuery** method (section [3.1.5.18.2.1.4](#)) and contains data about a popular query. Popular queries are used by query rules to trigger popular query conditions.

3.1.5.38.1 Properties

3.1.5.38.1.1 Scalar Properties

3.1.5.38.1.1.1 ClickCount

Type: CSOM Int32

Accessibility: Read/Write

Specifies the number of times a user clicked at least once on any of the search results returned by this query.

3.1.5.38.1.1.2 LCID

Type: CSOM Int32

Accessibility: Read/Write

Specifies the language of the query text as a language code identifier (LCID).

3.1.5.38.1.1.3 QueryCount

Type: CSOM Int32

Accessibility: Read/Write

Specifies the number of times this query was issued.

3.1.5.38.1.1.4 QueryText

Type: CSOM String

Accessibility: Read/Write

Specifies the text of this search query.

3.1.5.38.1.2 ObjectPath Properties

None.

3.1.6 Timer Events

None.

3.1.7 Other Local Events

None.

4 Protocol Examples

4.1 Search for the keyword "home"

In this example a search is issued for the keyword "home".

Request

```
<Request xmlns="http://schemas.microsoft.com/sharepoint/clientquery/2009"
SchemaVersion="15.0.0.0" LibraryVersion="15.0.0.0" ApplicationName="Javascript Library">
  <Actions>
    <ObjectPath Id="191" ObjectPathId="190" />
    <SetProperty Id="192" ObjectPathId="190" Name="QueryText">
      <Parameter Type="String">home</Parameter>
    </SetProperty>
    <ObjectPath Id="194" ObjectPathId="193" />
    <Method Name="Clear" Id="195" ObjectPathId="193" />
    <SetProperty Id="196" ObjectPathId="190" Name="StartRow">
      <Parameter Type="Number">0</Parameter>
    </SetProperty>
    <ObjectPath Id="198" ObjectPathId="197" />
    <Method Name="Clear" Id="199" ObjectPathId="197" />
    <SetProperty Id="200" ObjectPathId="190" Name="HiddenConstraints">
      <Parameter Type="String"></Parameter>
    </SetProperty>
    <SetProperty Id="201" ObjectPathId="190" Name="Culture">
      <Parameter Type="Number">1033</Parameter>
    </SetProperty>
    <SetProperty Id="202" ObjectPathId="190" Name="RowsPerPage">
      <Parameter Type="Number">10</Parameter>
    </SetProperty>
    <SetProperty Id="203" ObjectPathId="190" Name="RowLimit">
      <Parameter Type="Number">10</Parameter>
    </SetProperty>
    <SetProperty Id="204" ObjectPathId="190" Name="TotalRowsExactMinimum">
      <Parameter Type="Number">31</Parameter>
    </SetProperty>
    <SetProperty Id="205" ObjectPathId="190" Name="SourceId">
      <Parameter Type="Guid">{8413cd39-2156-4e00-b54d-11efd9abdb89}</Parameter>
    </SetProperty>
    <SetProperty Id="206" ObjectPathId="190" Name="Refiners">
      <Parameter Type="String"></Parameter>
    </SetProperty>
    <SetProperty Id="207" ObjectPathId="190" Name="Refiners">
      <Parameter Type="String">Author(filter=7/0/*),LastModifiedTime(discretize=manual/2010-
11-17T08:00:00Z/2011-05-21T07:00:00Z/2011-10-18T07:00:00Z/2011-11-10T08:00:00Z/2011-11-
17T08:00:00Z),FormatId(filter=7/0/*),contentclass(filter=7/0/*)</Parameter>
    </SetProperty>
    <ObjectPath Id="209" ObjectPathId="208" />
    <Method Name="Clear" Id="210" ObjectPathId="208" />
    <Method Name="Add" Id="211" ObjectPathId="208">
      <Parameters>
        <Parameter Type="String">WorkId</Parameter>
      </Parameters>
    </Method>
    <Method Name="Add" Id="212" ObjectPathId="208">
      <Parameters>
        <Parameter Type="String">Rank</Parameter>
      </Parameters>
    </Method>
  </Actions>
</Request>
```

```

    </Parameters>
</Method>
<Method Name="Add" Id="213" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">Title</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="214" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">Author</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="215" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">Size</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="216" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">Path</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="217" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">Description</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="218" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">Write</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="219" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">SiteName</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="220" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">CollapsingStatus</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="221" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">HitHighlightedSummary</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="222" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">HitHighlightedProperties</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="223" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">ContentClass</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="224" ObjectPathId="208">
  <Parameters>

```

```

    <Parameter Type="String">IsDocument</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="225" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">PictureThumbnailURL</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="226" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">ServerRedirectedURL</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="227" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">ServerRedirectedEmbedURL</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="228" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">ServerRedirectedPreviewURL</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="229" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">FileExtension</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="230" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">DocumentSummarySize</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="231" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">DocumentSummary</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="232" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">ContentTypeId</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="233" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">ParentLink</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="234" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">ViewsLifeTime</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="235" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">ViewsRecent</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="236" ObjectPathId="208">

```

```

    <Parameters>
      <Parameter Type="String">SectionNames</Parameter>
    </Parameters>
  </Method>
<Method Name="Add" Id="237" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">SectionIndexes</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="238" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">SiteLogo</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="239" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">SiteDescription</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="240" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">deeplinks</Parameter>
  </Parameters>
</Method>
<Method Name="Add" Id="241" ObjectPathId="208">
  <Parameters>
    <Parameter Type="String">importance</Parameter>
  </Parameters>
</Method>
<ObjectPath Id="243" ObjectPathId="242" />
<Method Name="Clear" Id="244" ObjectPathId="242" />
<SetProperty Id="245" ObjectPathId="190" Name="EnableStemming">
  <Parameter Type="Boolean">true</Parameter>
</SetProperty>
<SetProperty Id="246" ObjectPathId="190" Name="EnablePhonetic">
  <Parameter Type="Boolean">>false</Parameter>
</SetProperty>
<SetProperty Id="247" ObjectPathId="190" Name="EnableNicknames">
  <Parameter Type="Boolean">>false</Parameter>
</SetProperty>
<SetProperty Id="248" ObjectPathId="190" Name="TrimDuplicates">
  <Parameter Type="Boolean">true</Parameter>
</SetProperty>
<SetProperty Id="249" ObjectPathId="190" Name="ResultsUrl">
  <Parameter
Type="String">http://contoso/sites/search/_layouts/15/start.aspx#/sites/search/Pages/results.
aspx?k=page#hp=%7B%22Default%22%3A%7B%22s%22%3A1%2C%221%22%3A-1%2C%22d%22%3A-
1%2C%22k%22%3A%22home%22%2C%22o%22%3Anull%2C%22x%22%3Anull%2C%22r%22%3Anull%2C%22m%22%3A%22%2
2%7D%7D</Parameter>
  </SetProperty>
<SetProperty Id="250" ObjectPathId="190" Name="BypassResultTypes">
  <Parameter Type="Boolean">>false</Parameter>
</SetProperty>
<SetProperty Id="251" ObjectPathId="190" Name="ClientType">
  <Parameter Type="String">UI</Parameter>
</SetProperty>
<ObjectPath Id="253" ObjectPathId="252" />
<Method Name="Clear" Id="254" ObjectPathId="252" />
<SetProperty Id="255" ObjectPathId="190" Name="EnableInterleaving">

```

```

    <Parameter Type="Boolean">false</Parameter>
  </SetProperty>
  <ObjectPath Id="257" ObjectPathId="256" />
  <ExceptionHandlingScope Id="258">
    <TryScope Id="260">
      <Method Name="ExecuteQueries" Id="262" ObjectPathId="256">
        <Parameters>
          <Parameter Type="Array">
            <Object Type="String">Default</Object>
          </Parameter>
          <Parameter Type="Array">
            <Object ObjectPathId="190" />
          </Parameter>
        </Parameters>
      </Method>
    </TryScope>
    <CatchScope Id="264" />
  </ExceptionHandlingScope>
</Actions>
<ObjectPaths>
  <Constructor Id="190" TypeId="{80173281-ffff-47b6-9a49-312e06ff8428}">
    <Parameters>
      <Parameter ObjectPathId="8" />
    </Parameters>
  </Constructor>
  <Property Id="193" ParentId="190" Name="SortList" />
  <Property Id="197" ParentId="190" Name="RefinementFilters" />
  <Property Id="208" ParentId="190" Name="SelectProperties" />
  <Property Id="242" ParentId="190" Name="HitHighlightedProperties" />
  <Property Id="252" ParentId="190" Name="ReorderingRules" />
  <Constructor Id="256" TypeId="{8d2ac302-db2f-46fe-9015-872b35f15098}" />
  <Property Id="8" ParentId="6" Name="Site" />
  <StaticProperty Id="6" TypeId="{3747adcd-a3c3-41b9-bfab-4a64dd2f1e0a}" Name="Current" />
</ObjectPaths>
</Request>

```

Response

```

[
  {
    "SchemaVersion":"15.0.0.0","LibraryVersion":"15.0.3514.1000","ErrorInfo":null
  },191,{
    "IsNull":false
  },194,{
    "IsNull":false
  },198,{
    "IsNull":false
  },209,{
    "IsNull":false
  },243,{
    "IsNull":false
  },253,{
    "IsNull":false
  },257,{
    "IsNull":false
  },262,{
    "Default":{

```

```

_ObjectType_": "Microsoft.SharePoint.Client.Search.Query.ResultTableCollection", "ElapsedTime":
:514, "Properties": {
  "RowLimit": 10
}, "QueryId": "940b1d2c-322c-44c2-a493-4306e5321c37", "SpellingSuggestion": "", "TriggeredRules": [
], "ResultTables": [
  {
    "_ObjectType_": "Microsoft.SharePoint.Client.Search.Query.ResultTable", "GroupTemplateId": null,
    "ItemTemplateId": null, "Properties": {
      "GenerationId": "9223372036854775806", "QueryModification": "home -ContentClass:urn:content-
class:SPSPeople", "RenderTemplateId": "~sitecollection\u002f_catalogs\u002fmasterpage\u002fDis
play_Templates\u002fSearch\u002fDefaultGroup.js"
    }, "QueryId": "940b1d2c-322c-44c2-a493-4306e5321c37", "QueryRuleId": "00000000-0000-0000-0000-
000000000000",
    "ResultRows": [
      {
        "Rank": "3.49530363082886", "DocId": 200013, "WorkId": null, "Title": "\r\n\t\r\n\tHome\r\n\r\n", "Au
thor": "CONTOSO\MICHAL; | Michal Piaseczny |
CONTOSO\michal", "Size": 69282, "Path": "http:\u002f\contoso", "Description": "Content
site", "Write": "\/Date(2011,10,15,15,21,48,0)\/", "sitename": null, "CollapsingStatus": 0, "HitHigh
lightedSummary": "Page Image\r\n\u00a0\r\nPage Content\r\nWelcome to Microsoft?? SharePoint??
Server 15 (Technical Preview <ddd\u002f> Get started with the new version of Microsoft
SharePoint Server 15 (Technical Preview <ddd\u002f>
", "HitHighlightedProperties": "<HHTitle>\r\n\t\r\n\tHome\r\n\r\n<\u002fHHTitle><HHUrl>http:\u0
02f\u002fcontoso<\u002fHHUrl>", "contentclass": "STS_Site", "IsDocument": false, "PictureThumbnail
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URL": null, "FileExtension": null, "ContentTypeId": null, "ParentLink": null, "ViewsLifeTime": null, "V
iewsRecent": null, "SectionNames": "", "SectionIndexes": "", "SiteLogo": null, "SiteDescription": "Con
tent
site", "deeplinks": "", "importance": 0, "OriginalPath": "http:\u002f\u002fcontoso", "ResultTypeIdLi
st": "23", "LastModifiedTime": null, "DocumentSummarySize": 2324, "DocumentSummary": "\/Base64Binary
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9EfLkM57\u002fGsLzwlS+Y+XN6Hxpm+v6KpQvjf809og\u002fYp\u002f8nAAD\u002f\u002f\u002f)\", "Partitio
nId": "\/Guid(0c37852b-34d0-418e-91c6-
2ac25af4be5b)\", "UrlZone": 0, "AAMEnabledManagedProperties": "Path;recommendedfor", "ResultTypeI
d": 23, "RenderTemplateId": "~sitecollection\u002f_catalogs\u002fmasterpage\u002fDisplay
Templates\u002fSearch\u002fSiteItem.js", "piSearchResultId": "2_0_1_0"

```



```
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9LffYH9\u002fCvo519L7\u002fxt9PPvpp\u002f\u002fEH32T1H7f5H+\u002ftfo3X+Lfv\u002f36ff\u002fmL7
7r+nn\u002f0T\u002f\u002f+XU5lfTz1\u002fj1\u002fz1f41f\u002f9f89X6N3+TX\u002fHV+jd+Sfv8df81f+
9f4Xejv351+3qHPxvRz79f8DX6Nw1\u002fz1\u002fo1juj3j\u002fTzt+n7L+nnG\u002fR796af36f\u002ft+j7n
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pfT9X0vf\u002fY30999BP\u002f9e+vsfod\u002f\u002fafr9X\u002fg1f91f4+Wv8Wv8Gr8G0ek3\u002fjU+pf9
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}
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5 Security

5.1 Security Considerations for Implementers

None.

5.2 Index of Security Parameters

None.

6 Appendix A: Product Behavior

The information in this specification is applicable to the following Microsoft products or supplemental software. References to product versions include released service packs:

- Microsoft® SharePoint® Foundation 2013
- Microsoft® SharePoint® Server 2013

Exceptions, if any, are noted below. If a service pack or Quick Fix Engineering (QFE) number appears with the product version, behavior changed in that service pack or QFE. The new behavior also applies to subsequent service packs of the product unless otherwise specified. If a product edition appears with the product version, behavior is different in that product edition.

Unless otherwise specified, any statement of optional behavior in this specification that is prescribed using the terms SHOULD or SHOULD NOT implies product behavior in accordance with the SHOULD or SHOULD NOT prescription. Unless otherwise specified, the term MAY implies that the product does not follow the prescription.

7 Change Tracking

This section identifies changes that were made to the [MS-SRCHCSOM] protocol document between the September 2012 and October 2012 releases. Changes are classified as New, Major, Minor, Editorial, or No change.

The revision class **New** means that a new document is being released.

The revision class **Major** means that the technical content in the document was significantly revised. Major changes affect protocol interoperability or implementation. Examples of major changes are:

- A document revision that incorporates changes to interoperability requirements or functionality.
- An extensive rewrite, addition, or deletion of major portions of content.
- The removal of a document from the documentation set.
- Changes made for template compliance.

The revision class **Minor** means that the meaning of the technical content was clarified. Minor changes do not affect protocol interoperability or implementation. Examples of minor changes are updates to clarify ambiguity at the sentence, paragraph, or table level.

The revision class **Editorial** means that the language and formatting in the technical content was changed. Editorial changes apply to grammatical, formatting, and style issues.

The revision class **No change** means that no new technical or language changes were introduced. The technical content of the document is identical to the last released version, but minor editorial and formatting changes, as well as updates to the header and footer information, and to the revision summary, may have been made.

Major and minor changes can be described further using the following change types:

- New content added.
- Content updated.
- Content removed.
- New product behavior note added.
- Product behavior note updated.
- Product behavior note removed.
- New protocol syntax added.
- Protocol syntax updated.
- Protocol syntax removed.
- New content added due to protocol revision.
- Content updated due to protocol revision.
- Content removed due to protocol revision.
- New protocol syntax added due to protocol revision.

- Protocol syntax updated due to protocol revision.
- Protocol syntax removed due to protocol revision.
- New content added for template compliance.
- Content updated for template compliance.
- Content removed for template compliance.
- Obsolete document removed.

Editorial changes are always classified with the change type **Editorially updated**.

Some important terms used in the change type descriptions are defined as follows:

- **Protocol syntax** refers to data elements (such as packets, structures, enumerations, and methods) as well as interfaces.
- **Protocol revision** refers to changes made to a protocol that affect the bits that are sent over the wire.

The changes made to this document are listed in the following table. For more information, please contact protocol@microsoft.com.

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
3.1 Server Details	Removed the client-oriented content.	N	Content removed.
3.1.5.2 Microsoft.Office.Server.Search.REST.QueryResult	Changed "RefinementResult" to "RefinementResults" in description of CustomResults.	N	Content updated.
3.1.5.3.1.1.1 Refiners	Updated the type to be "CSOM Array".	Y	Content updated.
3.1.5.7.2.1.3 suggest	Revised the description of the culture parameter for clarity.	N	Content updated.
3.1.5.8.1.1.2 IsVisualBestBet	Revised description for clarity.	N	Content updated.
3.1.5.9.2.2.1 CSOM Constructor	Added reference for Microsoft.SharePoint.Client.Web to description of site parameter.	N	New content added.
3.1.5.15.1.1.2 PersonalResults	Updated type details for this property.	N	Content updated.
3.1.5.15.1.1.3	Updated type details for this property.	N	Content

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
Queries			updated .
3.1.5.16.1.1.3 ResultRows	Updated the type to be "CSOM Array".	Y	Content updated .
3.1.5.18.2.1.1 ExecuteQueries	Updated type details for the queries parameter of this method.	N	Content updated .
3.1.5.18.2.1.3 RecordPageClick	Added reference for piSearchResultId to description of clickedResultId.	N	New content added.
3.1.5.18.2.1.3 RecordPageClick	Added reference for Microsoft.SharePoint.Client.Web to description of web parameter.	N	New content added.
3.1.5.18.2.1.3 RecordPageClick	Updated the section number of the reference.	N	Content updated .
3.1.5.23.2.1.1 AddJudgment	Added reference for Microsoft.SharePoint.Client.Web to description of site parameter.	N	New content added.
3.1.5.23.2.1.2 GetJudgementsForQuery	Added reference for Microsoft.SharePoint.Client.Web to description of site parameter.	N	New content added.
3.1.5.25.1.1.2 Results	Updated the type to be "CSOM Array".	Y	Content updated .
	Removed section GroupTypeId (a scalar property under Microsoft.Office.Server.Search.REST.Query Result).	Y	Content removed.

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